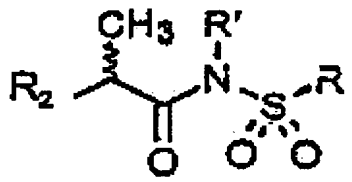
CLAIMS

1. Use of N-(2-aryl-propionyl)-sulfonamides of general formula (**I**):



(I)

in which

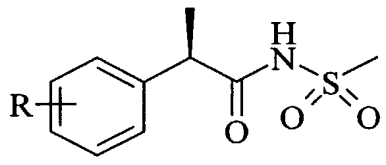
R_2 is an aryl group,

R is a straight or branched C_1-C_6-alkyl, trifluoromethyl, cyclohexyl, o-tolyl, 3-pyridyl, 2-pyridyl-ethyl, p-cyano-phenylmethyl, p-aminophenylmethyl, 3-cyano-1-propyl, 4-aminobutyl group, an alkoxyethylene CH_3-$(CH_2)_{ni}$-$(OCH_2CH_2)_{mi}$- group in which n_i is zero or 1 and m_i is an integer 1 to 3, or a P_1P_2N-CH_2-CH_2- group in which P_1 and P_2 are independently H, C_1-C_3- alkyl, benzyloxy-carbonyl, α-, β- or α-pyridocarbonyl, carboxycarbonyl or carbalkoxycarbonyl, or P_1 and P_2, when joined to the N atom which they are linked to, form a phthalimido, piperidino, morpholino residue;

R' is H or straight or branched C_1-C_3-alkyl, preferably hydrogen,

for the preparation of a medicament for the treatment of spinal cord injury.

2. Use according to claim 1 of the compounds of formula (**Ia**)



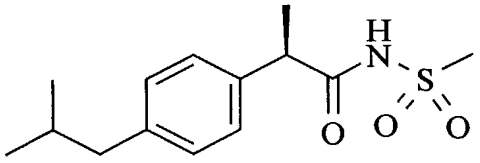
(**Ia**)

wherein R represents one to three substituents, which are the same or different, selected from hydrogen, halogen atoms, C_1-C_4-alkyl, C_1-C_4-alkoxy,

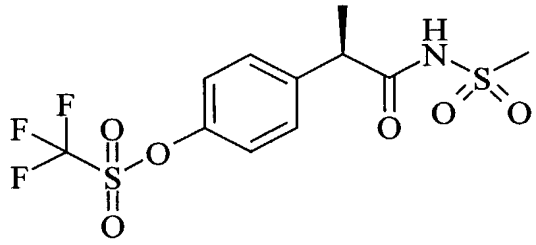
hydroxy, C_1-C_7-acyloxy, cyano, nitro, amino, C_1-C_3-acylamino, halo C_1-C_3-alkyl, halo C_1-C_3-alkoxy, benzoyl, 4-(2-methyl-propyl)-phenyl, 3-phenoxy-phenyl, 2-[4-(1-oxo-2-isoindolinyl)phenyl], 5-benzoyl-thien-2-yl, 4-thienoyl-phenyl, C_1-C_2-halogenoalkylsulphonyloxy.

3. Use according to claim 2 wherein R represents hydrogen, 4-isobutyl, 3-benzoyl, 4-trifluoromethanesulphonyloxy.

4. Use according to claim 2 of the compounds of formula (**II**) and (**III**).



(II)



(III)